Workshops

Workshop 1 | Decision Making, Communication and Resource Management in Emergency Rapid Sequence Intubation

The general objective of this pre-conference workshop is to provide awareness and improve the general approach to Emergency Rapid Sequence Intubation (RSI) using the latest evidence-based pre-hospital care and practices. Specifically, the workshop will increase participants’ knowledge and skills in relation to:

- Crew resource management and team-based decision making in and out of hospital emergency RSI.
- Communication cues and checklists during emergency RSI.
- Introduction to video laryngoscopy techniques.

By the end of the session, participants will:

- Become more efficient and effective during emergency RSI.
- Demonstrate the correct communication skills during RSI.
- Be more confident and comfortable in making acute care airway management decisions.
- Know when and how to use various tools and adjuncts for managing the difficult airway.

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<tr>
<th>Aimed at</th>
<th>Critical Care Paramedics, Ambulance Paramedics, Emergency Department and ICU Physicians, ED and ICU Nurses</th>
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<tr>
<td>Led by</td>
<td>Mr. Yugan Pillay and Mr. Bernard Pillay</td>
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<tr>
<td>Faculty</td>
<td>Mr. Sean Matthew Graham, Mr. John Meyer, Prof. Guillaume Alinier, Mr. Casey Walker</td>
</tr>
<tr>
<td>Style of delivery</td>
<td>Classroom Style (allowing for didactic session, skills demo and practice, mental modelling and simulation)</td>
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Workshop 2  |  ECGs Made Easy: Everything you Need to Know (Emergency Nursing Skills Workshop)

This three (3) hour interactive workshop will provide an opportunity for emergency practitioners to up skill, build-on and invigorate their current clinical competence, underpinning the evidence-based best care to patients presenting with common cardiac conditions. The workshop presenter is a Cardiac Nurse Educator who has extensive knowledge and experience in the field of cardiovascular emergencies as well as in providing education programs to nurses working in emergency, critical and cardiac care units across Hamad Medical Corporation.

By the end of the session, participants will be able to:
• Demonstrate enhanced cognitive knowledge of 12 lead ECG’s.
• Demonstrate technical knowledge of ECG.
• Demonstrate systematic approach to interpretation of the 12 lead ECG’s.

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<tr>
<td>Led by</td>
<td>Ms. Safia Sayed</td>
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<tr>
<td>Faculty</td>
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<td>Style of delivery</td>
<td>Classroom/Skills Station</td>
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Workshop 3  |  Can't Move Forward?: From Concept to Publication in Clinical Research

So you have a brilliant research idea. Wonderful, but now what? How do you move ahead to convert your idea into a peer-reviewed publication? Join us in this workshop to learn the tricks of the trade and to sail through the research odyssey.

This workshop, conducted by senior researchers at HMC, Harvard University (USA) and MONASH University (Australia), will serve as a rescue procedure for your dream research project. You should attend this workshop if you have challenges with:
• Choosing the right methodology.
• Assembling a research team.
• Finding study participants.
• Getting institutions to participate.
• Staying motivated and working your plan.
• Dealing with your data.
• Writing the manuscript and dealing with reviewers.

Kindly note that this workshop is not designed for generating new ideas for research or to educate on research methodology, biostatistics, laboratorial research, or epidemiology. It is a very focused workshop designed to advice on how to deal with your ongoing research challenges.

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<td>Faculty</td>
<td>Prof. Peter Cameron, Dr. Sameer Pathan, Dr. Furqan Uddin</td>
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<td>Style of delivery</td>
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Airway management is one of the most critical, time sensitive and life saving (and of course thrilling) measure we take in the ED; and unfortunately it has the highest likelihood of a disaster if things go wrong. Often we are faced with a difficult scenario where the patient is struggling to breath as well as the physician. In events like this we need a game plan, preferably pre-formed and with a multitude of options in case the first one doesn’t work.

This workshop is designed just for such occasions. It will focus on helping you get your breath back. We will look at some of the new gadgets and toys used in airway management and participants will have a chance to familiarize themselves with these devices.
Early recognition and rapid management of undifferentiated shock or a critically ill trauma patient is an important predictor for mortality and morbidity. Ultrasound is a very important tool in such situations and has become an extension of clinical assessment because of its rapid and precise detection capabilities. This half-day educational activity will offer brief didactic lectures, demonstration and hands-on experience which will provide participants with the skills to be competent in using diagnostic ultrasound. Expert faculty from Harvard University, Massachusetts General Hospital, Division of Emergency Ultrasound will be present to answer all your questions about:

- Resuscitation in undifferentiated shock.
- Resuscitation in critically ill traumatic patients.
- Resuscitation in a cardiac arrest patient.

By the end of the workshop, participants will understand and be able to practice:

- Cardiac assessment for contractility and estimation of ejection fraction, chamber size and pericardial effusion or tamponed.
- E-fast exam, assessment of IVC and pleural cavity.
- Assessment of abdominal aorta and deep veins of the legs.

### Workshop 5  |  The Crashing Patient: Role of Ultrasound in Resuscitation

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<td><strong>Led by</strong></td>
<td>Dr. Aftab Mohammad Azad</td>
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<tr>
<td><strong>Faculty</strong></td>
<td>Dr. Andrew Liteplo (Harvard), Dr. Firas Al Rawi (Canada), Dr. Saad Al- Noaimi, Dr. Dharmesh Shukla, Dr. Lubna Ghali, Dr. Larissa Misreky, Dr. Zainab El Azab (HMC)</td>
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<td><strong>Style of delivery</strong></td>
<td>Interactive Skill Based Workshop</td>
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Workshop 6  |  Management of Mass Gatherings: Health Perspective

Mass gatherings are events that attract large numbers of peoples and strain local planning and response resources.

The big crowds associated with these events could be a potential source for a number of health risks (illnesses and injuries) to participants in the events. It is extremely important for public health officials to be involved early in the event planning to prevent or minimize risks of illnesses and injuries and maximize safety for participants, event staff, volunteers and community residents.

This workshop is designed for public health, emergency management, paramedics and other professionals working with mass gathering events.

The aim of this workshop is to share with participants how to plan a mass gathering event considering prevention and mitigation of public health threats. It covers risk assessment, surveillance, coordination and communication before, during and after events.

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<tr>
<td>Led by</td>
<td>Dr. Mohammed Al Hajri</td>
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<tr>
<td>Faculty</td>
<td>Dr. Walid Abugalala and team from Emergency Preparedness and Response (SCH)</td>
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Workshop 7  |  Toxicology Board Review

This short session (three to five hours) will highlight the latest developments in toxicology, including updates in treatment. The interactive workshop will teach participants how to get a diagnosis by math calculations and labs reviews.

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<td>Led by</td>
<td>Dr. Waleed and Dr. Ehab Aki</td>
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<tr>
<td>Faculty</td>
<td>Dr. Galal Al Essai, Mr. Hani A/Aziz, Dr. Tarek Al Rifai</td>
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<td>Style of delivery</td>
<td>Round Tabletop Discussion</td>
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Workshop 8  |  Moodling in the Afternoon: E-learning for Educators

E-learning in its traditional form involves the use of special software and reliance on IT support to develop and administer content. Often, the end result is passive interaction of the learner with the computer.

Recent focus has shifted to easily implementable and manageable e-learning systems such as MOODLE (Modular, Object orientated, Dynamic Learning Environment), which allow quicker content creation and active learning through online participation.

In this introductory workshop attendees will be able to practice using a live Moodle platform and will experience active creation of content; participants are encouraged to bring content in the form of files, presentations and videos to upload and experiment with.

Participants will become familiar with the use of forums for asynchronous online discussions to encourage participation of learners and teachers. They will be introduced to the use of online quizzes and certification tools available within Moodle.

This workshop is relevant for educators in medicine, nursing and allied disciplines. Prior experience with e-learning may be an advantage but not essential.

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<td>Dr. Saleem Farook</td>
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<tr>
<td>Faculty</td>
<td>Professor Guillaume, Mr. Andrew Frazer</td>
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Workshop 9  |  Pre-hospital Patient Immobilization Techniques

The general objective of this pre-conference workshop is to provide awareness and exposure to the devices and techniques used for patient immobilisation in the pre-hospital care setting. Specifically, the workshop will increase participants’ knowledge and skills in relation to the use of a range of immobilisation devices used by the Ambulance Service in Qatar.

By the end of the session, participants will be:
- Familiar with the Kendrick Extrication Device, the scoop stretcher, the vacuum mattress, the SAM splint, cardboard splints, pelvic splint and the long back board with spider harness.
- Able to demonstrate the correct use of at least one of the above devices.

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<tr>
<td>Led by</td>
<td>Dr. Hany Kamel and HMCAS Faculty</td>
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This workshop will cover radiologic aspects of acute medical, surgical and trauma cases. The aim of this series of interactive sessions is to present the appropriate imaging pathways, radiologic findings, interpretation sessions and other issues regarding imaging inpatients who present to the Emergency Department.

At the end of these sessions, participants will have been exposed to:

- Imaging in vascular thoracic emergencies.
- Imaging in cases involving bowel obstruction.
- Imaging in cases involving chest trauma.
- Right lower quadrant pain and alternative diagnoses to appendicitis.
- Stroke imaging.
- Chest x-ray and head CT interpretation.

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<td>Led by</td>
<td>Dr. Shatha Al-Hilli</td>
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<tr>
<td>Faculty</td>
<td>Dr. Salman Mirza, Dr. Krishnan Puthusseri, Dr. Umai Momin</td>
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Workshop 11  |  Evidence-based Clinical Practice Workshop: I Know it, but How?

Evidence-based clinical practice (EBCP) is an approach to healthcare practice that explicitly acknowledges the evidence that bears on each patient management decision, the strength of that evidence, the benefits and risk of alternative management strategies, and the role of patients’ values and preferences in trading off those benefits and risks.

Come join us in this four-hour interactive workshop led by senior faculty from Harvard University (USA), MONASH University (Australia) and HMC (Qatar). This is an introductory workshop designed for beginners to help and make their first exposure to EBM and EBCP painless and joyful. We look at how to access the best evidence so you can make the best bets in medicine.

If you are committed to best patient care, if you have a belief in the process of small-group learning, wish to get initial exposure to the knowledge of EBM, critical appraisal and practice of evidence-based healthcare, this session is for you.

By the end of the session, participants will be understand:
- What is EBM and how to formulate an answerable question.
- Track down the best evidence; intro to PubMed search.
- Critical appraisal of controlled trials (why and how).
- Apply evidence into daily patient care.

This workshop is designed to explain the CABC approach to a major trauma patient according to HMC-AS guidelines and demonstrate the different skills and devices used to manage a catastrophic hemorrhage for a trauma patient in the pre-hospital setting.

This session will allow the audience to be engaged by practicing the life saving interventions to control catastrophic hemorrhage using:
- The SAM Pelvic Sling II.
- Tourniquet.
- Chito Gauze.
- Blast Bandage.

### Aimed at
Doctors, Nurses and Other Healthcare Staff

### Max number
40

### Led by
Prof. Stephen Thomas

### Faculty
Prof. Peter Cameron, Dr. Sameer Pathan, Dr. Furqan Uddin

### Style of delivery
Classroom Style

Workshop 12  |  Management of Catastrophic Hemorrhage in the Pre-hospital Setting

This workshop is designed to explain the CABC approach to a major trauma patient according to HMC-AS guidelines and demonstrate the different skills and devices used to manage a catastrophic hemorrhage for a trauma patient in the pre-hospital setting.

This session will allow the audience to be engaged by practicing the life saving interventions to control catastrophic hemorrhage using:
- The SAM Pelvic Sling II.
- Tourniquet.
- Chito Gauze.
- Blast Bandage.

### Aimed at
Ambulance Paramedics, Emergency Nurses, Emergency Specialists

### Max number
20

### Led by
Mr. Raouf Mraidi

### Faculty
Mr. Fredrick Vincent, Mr Majid CHOUIKHI, Mr. Vimal Machampilly

### Style of delivery
Classroom/Skills Station
Workshop 13 | Point of Care Ultrasound (POCUS) in Abdominal Pain Assessment

Come and join us in enhancing your point of care ultrasound skills. Our goal is to make it easy for you to generate and identify the images. This half-day educational activity will include brief didactic lectures, demonstration and hands-on experience which will provide the participants the skills needed to be competent in using diagnostic ultrasound. Expert faculty from Harvard University, Massachusetts General Hospital, Division of Emergency Ultrasound will be present to answer all your questions.

By attending this workshop you will be able to learn and practice identifying:
• Gall bladder pathology.
• Renal pathology; stone or hydronephrosis.
• Abdominal aortic aneurysm.
• Free fluid in abdominal cavity.
• Bladder volume assessment; urinary retention.
• Small bowel obstruction.

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<td>Dr. Aftab Mohammad Azad</td>
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<td>Faculty</td>
<td>Dr. Andrew Liteplo, Dr. Firas Al Rawi, Dr. Saad Al- Noaimi, Dr. Dharmesh Shukla, Dr. Lubna Ghali, Dr. Larissa Misreky, Dr. Zainab El Azab</td>
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<tr>
<td>Style of delivery</td>
<td>Interactive Hands-on Workshop</td>
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Workshop 14  |  Public Health Response in the Era of Emerging and Re-emerging Infections

With the goal of providing a critical update on emerging infectious diseases in a global context, a panel of national and international infectious disease and public health experts will discuss updates on advances in understanding and investigating emerging diseases and evolving methods for predicting, detecting and managing outbreaks. Sessions will fully embody the ‘One Health’ model of emerging diseases, recognizing the commonality of human, animal and environmental health.

The aim of this workshop is to share with participants how to plan and manage public health response during emerging pathogens outbreaks. The workshop is designed to create a lively atmosphere for discussion and exchange of knowledge. It is suited for researchers, clinicians, veterinary health specialists, microbiologists, virologists, public health officials and policy makers at all levels interested in public health response in the era of emerging and re-emerging pathogens and outbreak control.

The workshop sessions will cover challenges and trends in emerging infectious diseases in a global perspective, drivers of disease emergence, preventing emerging pandemic threats, innovations in emerging disease detection, challenges and controversies from the 2012–2015 MERS-CoV outbreak and what we can learn.

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<tr>
<td>Led by</td>
<td>Dr. Elmoubasher Abd Farag</td>
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<td>Faculty</td>
<td>Team from Communicable Diseases Control Programs</td>
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<td>Public Health Department</td>
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HazChem is the term used to describe a chemical hazard and refers to the intrinsic toxicological properties of a chemical and its potential to cause harm. Analysis of a hazard includes physiochemical (identify the substance, routes of spread, reactions), toxicological data and environmental hazard.

This workshop will provide participants with a brief introduction about Qatar and its industrial importance in terms of:

- Disaster response teams (show our position and importance in case of disasters).
- Emergency services (fire, police, civil defense, ambulance and medical team).
- Local and governmental authorities.
- Environment protection agency.
- Water utilities.
- Maritime.
- Laboratories.
- Community leaders.
- Academia.
- Toxicology centre.

Workshop participants will also learn about common chemicals available and their respective hazards, including caustics, acids, paint, glue, insecticides, pesticides, CO, CO2, H2 S, SO2, chlorine, ammonia, hydrocarbons, HF, glass wool, Iron, lead, mercury, alcohols, silicon and chloroform. This session will also cover response and treatment in terms of disaster code, PPE, decontamination and antidote.

The workshop will be conducted through lecture and small group discussions, during which groups will discuss chemical hazards in the form of interactive sessions (i.e. signs and symptoms of lead poisoning, how to recognize the hazard and how to treat it and increase awareness about it).

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<tr>
<td>Led by</td>
<td>Dr. Rana Jaffer</td>
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<tr>
<td>Faculty</td>
<td>Dr. Waleed Awad, Dr. Ehab Aki, Dr. Galal Al Essai, Dr. Noushik Puthiyottil, Dr. V. P. Chandrasekhar</td>
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Workshop 16  |  Pre-hospital Clinical Approach and OHCA (Out of Hospital Cardiac Arrest)

The general objective of this pre-conference workshop is to provide awareness and consciousness to healthcare workers regarding evidence-based pre-hospital care and practices. Specifically, the workshop will increase their knowledge and skills in relation to:

- Clinical approach to a patient in the pre-hospital setting.
- Out of hospital cardiac arrest management.

By the end of the session, participants will:

- Be familiar with pre-hospital clinical approach to a patient.
- Demonstrate the correct management of out of hospital cardiac arrest.
- Demonstrate positive attitude on pre-hospital care and management.

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<tr>
<td>Led by</td>
<td>Mr. Ardee L. Domingo and Mr. Mourad Hamzaoui</td>
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<tr>
<td>Faculty</td>
<td>Mr. Bacher Baccouche, Mr. Mohammad Mhiri, Mr. Binny Varghese and Mr. Kanhaiya Kumar</td>
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<tr>
<td>Style of delivery</td>
<td>Classroom style (Didactic, Demonstration and Return Demonstration)</td>
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Workshop 17  | Emergency Nursing Skills Update (Workshop Module 1 of 4)  
Care of the Acutely Ill Patient

This interactive workshop will provide practitioners with the essential knowledge and skills to enable timely assessment and emergency interventions to the patient whose condition is deteriorating rapidly. The workshop presenter is a Senior Nurse Educator who has extensive knowledge and experience in the field of emergency care as well as in providing education programs to nurses working in emergency care units across Hamad Medical Corporation.

At the end of the session, participants will be able to:

- Perform a rapid, systematic patient assessment on unstable acutely ill patients presenting to the Emergency Department.
- Perform appropriate interventions and management of patients presenting with common emergency conditions.
- Contribute to initiation of clinical interventions and investigations.

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<tr>
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<tr>
<td>Led by</td>
<td>Mrs. Leanna Valentine, Senior Emergency Nurse Educator, NMER</td>
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<td>Faculty</td>
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<td>Style of delivery</td>
<td>Interactive Skills–based Workshop</td>
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Improving Team Dynamics during Resuscitation

This interactive workshop will explore the importance of effective team dynamics in highly stressed clinical situations. Utilizing a resuscitation room scenario, participants will be able to identify how an enhanced understanding of the field of human factors can positively influence optimal personal and team performance to achieve better patient outcomes.

The workshop presenters are senior nurse leaders who have extensive knowledge and experience in the field of emergency care as well as in providing education programs to nurses working in emergency units in the UK, Middle East and across Hamad Medical Corporation.

At the end of the session, participants will be able to:
- Identify the key human factors necessary for effective team performance during patient resuscitation.
- Discuss strategies to improve personal performance as a team member.
- Explore the positive impact that individual’s behaviors can have on team performance in highly stressed situations.

Aimed at: Nurses and Practitioners working in Emergency Departments
Max number: 15
Led by: Mr. Alan Dobson and Mr. Andrew Frazer
Faculty: 
Style of delivery: Classroom Style, Conference Style
Workshop 17 | Emergency Nursing Skills Update (Workshop Module 3 of 4)  
RSI for Nurses

This interactive workshop will provide practitioners with the essential knowledge and skills to enable them to support intubation with Rapid Sequence Induction in the Emergency Department.

At the end of the session, participants will be able to:
• State the reasons for intubation.
• Understand the importance of capnography in relation to intubation.
• Outline the 7 P’s of RSI.
• Differentiate between the required medications for pre-treatment, induction and paralysis.
• Understand the nursing role in supporting RSI.

Aimed at  
Nurses and Practitioners working in Emergency Departments

Max number  
15

Led by  
Mr. Andrew Frazer

Faculty  
Mrs. Leanna Valentine

Style of delivery  
Classroom Style, Conference Style

Workshop 17 | Emergency Nursing Skills Update (Workshop Module 4 of 4)  
Resuscitation Workshop

This interactive resuscitation workshop will provide participants with the opportunity to apply the skills and knowledge required to perform a comprehensive patient assessment, including recognition and emergency management of an acutely ill patient combined with the application of enhanced human factors skills.

The workshop presenters are senior nurse leaders who have extensive knowledge and experience in the field of emergency care as well as in providing education programs to nurses working in emergency units in the UK, Middle East and across Hamad Medical Corporation.

At the end of the session, participants will be able to:
• Perform a timely patient assessment and contribute to the initiation of emergency interventions during the resuscitation of an acutely ill patient.
• Demonstrate the key human factors and skills necessary for effective personal and team performance during patient resuscitation.

Aimed at  
Aimed at Nurses and Practitioners working in Emergency Departments

Max number  
15

Led by  
Mr. Ahmad Abujaber, Ms. Alice George

Faculty  
Mr. Mohammad Okour

Style of delivery  
Classroom/Skills Station
Workshop 18 | Point of Care Ultrasound (POCUS) in Musculoskeletal and Nerve Blocks

This workshop is dedicated to providing state-of-the-art training in the area of Musculoskeletal Ultrasound for Emergency Physicians, Orthopedics, Rheumatologists Anesthesiologists, Sports Medicine Physicians and Pain Management Physicians. Our goal is to provide you with the proper training essential to perform consistent and high-quality examinations and ultrasound guided nerve blocks. This three-hour workshop style educational activity will include brief didactic lectures, demonstrations and hands-on experience which will provide the participants the skills required to be competent in using ultrasound. Expert faculty from Harvard University and Massachusetts General Hospital, Division of Emergency Ultrasound will be present to answer all your questions.

By attending this workshop you will be able to learn and practice identifying:

- Fractures.
- Joint effusions and their drainage.
- Shoulder dislocation.
- Nerve blocks.

Aimed at
ED Physicians, Orthopedicians, Rheumatologists, Sports Physicians, Pain Management team members

Max number
20

Led by
Dr. Aftab Mohammad Azad

Faculty
Dr. Aftab Mohammad Azad, Dr. Andrew S. Liteplo, Dr. Dharmesh Shukla, Dr. Larissa Mishreky, Dr. Lubna Ghali, Dr. Zainab El Azab, Dr. Saad Al Noaimi

Style of delivery
Interactive Skills-based Workshop
Workshop 19 | The Two Hour Trauma Course for Nurses

This workshop will provide participants with a whirlwind overview of Advanced Trauma Life Support concepts, with some clinical pearls for trauma and emergency nurses and paramedics.

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<td>Faculty</td>
<td>Mr. Jasser Afaneh</td>
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<tr>
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Nurse: I have tried every vein doctor, what should I do next?

If you would like to know the answer to this question, please come and join us in enhancing your point of care ultrasound skills in getting a vascular access. Our goal is to make it easy for you to identify the veins and insert an IV line under ultrasound guidance. This three-hour workshop style educational activity will include brief didactic lecture, demonstration and hands-on experience which will provide participants with the skills needed to be competent in using ultrasound while securing an IV line. Expert faculty from Harvard University, Massachusetts General Hospital, Division of Emergency Ultrasound will be present to answer all your questions.

By attending this workshop you will be able to learn and practice identifying:
• Peripheral veins using ultrasound.
• Securing an IV line in challenging patients.

<table>
<thead>
<tr>
<th>Aimed at</th>
<th>Nurses in all clinical departments, EMS providers, Anaesthesia Technicians and Physicians in all clinical departments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max number</td>
<td>20</td>
</tr>
<tr>
<td>Led by</td>
<td>Dr. Aftab Mohammad Azad</td>
</tr>
<tr>
<td>Faculty</td>
<td>Dr. Aftab Mohammad Azad, Dr. Andrew S. Liteplo, Dr. Dharmesh Shukla, Dr. Larissa Mishreky, Dr. Lubna Ghali, Dr. Zainab El Azab, Dr. Saad Al Noaimi</td>
</tr>
<tr>
<td>Style of delivery</td>
<td>Interactive Skills-based Workshop</td>
</tr>
</tbody>
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